

FUEL RESISTANT RUBBER SHEET

1. Generalities

Black rubber sheet with 100 parts NBR, with or without textile insertions, can be used at temperatures ranging from 30 °C to 100 °C.

Resistance to:

- ozone: good
- weather: moderate
- oils: good
- gasoline: good
- diesel: good
- acid: moderate
- strong bases: moderate

2. Technical condition of quality

2.1. Dimensions

Thickness, mm	1.0	1.5	2.0	3.0	4.0	4.5	5.0	6.0	7.5	8.0	9.5	10.0	12.0	15.0 - 50.0
Tolerances mm ±	0.2	0.25	0.3	0.4	0.5	0.55	0.6	0.75	0.8	0.8		1.0		± 10 %
Length, mm	10													
Width mm	1000 - 1500											1000 - 1600		

Allowed tolerances: width ± 3%; length: ± 3 %.

The 12; 15; 20; 25; 30; 40; 50 mm rubber sheets with textile impression can be manufactured in rolls of max. 50 m.

Maximum 20 % of the rolls delivered in one shipment may not necessarily be supplied in one continuous length. However, such rolls will not have more than two pieces

2.2. 2.2. Physical and mechanical properties of the rubber mixture

Characteristics	Requested Values		Test Method
	Type 1	Type 2	
Hardness, °Shore A	65 ± 5	70 ± 5	ISO 48-4
Tensile strength kgf/cm ² min	80	100	ISO 37
Elongation at break, %, min	400	350	ISO 37
Resistance to wear, mm ³ , max.	150	150	ISO 4649, method A
Resistance to DIESEL fuel (72 h at 23 °C) ΔV, % max.	+5	+5	ISO 1817
Resistance to gasoline (72 h at 23 °C), ΔV, %, max.	+40	+40	ISO 1817

3. Aspect

A. Black rubber sheet without textile insertions

A1. The 1.0 mm and 1.5 mm black rubber sheet can only be manufactured without textile insertions and the aspect can only be with both smooth sides.

A2. For thicknesses between 2.0 mm and 10 mm, the aspect can be with:

- both sides smooth
- both sides with textile impression
- only one side with textile impression

A3. For thicknesses between 12 mm and 30 mm, the aspect can be with:

- both sides smooth
- only one side with textile impression

A4. for thicknesses greater than 30 mm, the aspect can be:

- only one side with textile impression

Rubber sheets with thicknesses between 15-30 mm, without textile insertions and with both sides smooth can be manufactured only at special request, however it is desirable for the rubber sheet to have one side with textile impression.

B. Black rubber sheet with textile insertions

B1. The 2.0 mm black rubber sheet can only be manufactured with one PES insertion and the aspect can be with:

- both sides smooth
- only one side with textile impression

B2. The 3.0 mm black rubber sheet can be manufactured with one or two PES insertions or with one EE (80; 100; 125) textile insertion and the aspect can be with:

- both sides smooth
- only one side with textile impression

B3. For thicknesses between 4 mm and 10 mm, the black rubber sheet can be manufactured with one, two or three PES insertions or with one, two EE (80, 100, 125) textile insertions and the aspect can be with:

- both sides smooth
- only one side with textile impression

B4. For thicknesses greater than 10 mm, the black rubber sheets can be manufactured with one, two, three PES insertions and the aspect can be with:

- only one side with textile impression

B5. For thicknesses greater than 10 mm, the black rubber sheets can be manufactured with one or two EE (80; 100; 125) textile insertions and the aspect can be with:

- both sides smooth
- only one side with textile impression

Marks or irregularities on the surface are allowed if these would not materially affect the performance of the rubber sheet.

4. Environmental data

The rubber sheets are not dangerous to people and to the environment. The waste resulted from worn-out products can be recycled or it can be used as combustible material, when there are no possibilities to reclaim it.